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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/507,018
Filing Date: March 21, 2005
Applicant: Jonas Ove Philip ELIASSON et al.
Group Art Unit: 2673
Examiner: TBA
Title: TOUCH PAD, A STYLUS FOR USE WITH THE TOUCH PAD,
AND A METHOD OF OPERATING THE TOUCH PAD
Attorney Docket: 36731-000039/US

Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314
Mail Stop Amendment

May 31, 2006

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form PTO-1449 attached hereto.

II. **COPIES**

A. ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) for each cited pending unpublished U.S. application listed below in Section IV, the application specification including the claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. ☐ Any patents, publications or other information which are listed on Form PTO-1449 or on the copies of Form PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. ☐ Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form PTO-1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form PTO-1449 are enclosed herewith.

D. ☐ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form PTO-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. ☒ Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. ☒ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ☐ See the attached foreign patent office communication from a counterpart foreign application:
2. ☒ English abstracts are provided for: all non-English patent publications except for FR 2 172 828 (see below).
3. ☒ Other: No English abstract available for FR 2 172 828, however, this publication relates to a set-up where two bar codes are provided in front of a detector.

C. ☐ The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ☐ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

V. THIS IDS IS BEING FILED UNDER

A. ☒ 37 C.F.R. § 1.97(b): (check only one box)

1. ☐ within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2. ☐ within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
3. ☒ before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
4. ☐ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. ☒ 37 C.F.R. § 1.97(c): (check only one box)

- ☒ before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
1. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
 2. ☐ See the certification below. No fee is required.

C. ☐ 37 C.F.R. § 1.97(d):

- ☐ after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
1. ☐ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

- A. ☐ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. § 1.704(d) below in section VII, if applicable; or
- B. ☐ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
- C. ☐ Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. § 1.704(d)

The undersigned hereby states that:

☐ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

- A. ☐ No fee is believed to be due in light of the above-noted status or above-provided certification.
- B. ☐ A check in the amount of \$180.00 is enclosed for the above-identified fee.

C. ☐ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. §§ 1.16 or 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

HARNESS, DICKY, & PIERCE, P.L.C.

By 
John A. Castellano, Reg. No. 35,094

P.O. Box 8910
Reston, Virginia 20195
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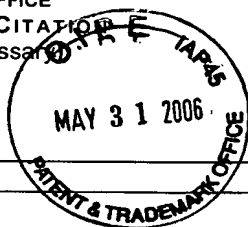
JAC/pw

Enclosures: ☒ Form PTO-1449(s) (1 sheet(s))
☒ Documents
☐ Foreign Search Report
☐ Fee
☐ Other:

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
 INFORMATION DISCLOSURE CITATION
 (Use several sheets if necessary)

Sheet 1 of 4



ATTORNEY DOCKET NO.

37361-000039/US

SERIAL NO.

10/507,018

APPLICANT

Jonas Ove Philip ELIASSON et al.

FILING DATE

March 21, 2005

GROUP

2673

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
		3,440,426	04/22/1969	Bush		
		4,254,407	03/03/1981	Tipon		
		4,346,376	08/24/1982	Mallos		
		4,484,179	11/20/1984	Kasday		
		4,550,250	10/29/1985	Mueller et al.		
		4,688,933	08/25/1987	Lapeyre		
		4,688,993	08/25/1987	Ferris et al.		
		4,692,809	09/08/1987	Beining et al.		
		4,710,760	12/01/1987	Kasday		
		4,772,763	09/20/1988	Garwin et al.		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
		WO 02/095668	11/28/2002	PCT			
		WO 02/077915	10/03/2002	PCT		Abstract	
		WO 03/076870	09/18/2003	PCT		Abstract	
		0 298 837 A1	01/11/1989	EP		Abstract	
		1 209 554 A1	05/29/2002	EP			
		1 204 070 A1	05/08/2002	EP			
		63 187726	08/03/1988	JP		Abstract	
		05095777A2	04/20/1993	JP		Abstract	
		60 250423	12/11/1985	JP		Abstract	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Ref. Desig.	Examiner's Initials	
		Joseph A. Paradiso, "Several Sensor Approaches that Retrofit Large Surfaces for Interactivity," ACM Ubicomp 2002 Workshop on Collaboration with Interactive Walls and Tables, Gothenburg, Sweden, September 29, 2002.

Examiner:

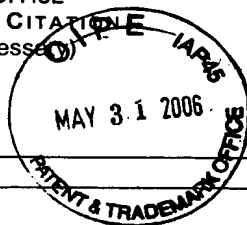
Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

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Sheet 2 of 4



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U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
		4,812,833	03/14/1989	Shimauchi		
		4,949,079	08/14/1990	Loebner		
		5,065,185	11/12/1991	Powers et al.		
		5,073,770	12/17/1991	Lowbner		
		5,159,322	10/27/1992	Loebner		
		5,166,668	11/24/1992	Aoyagi		
		5,227,622	07/13/1993	Suzuki		
		5,254,407	10/19/1993	Sergerie et al.		
		5,484,966	01/16/1996	Segen		
		5,499,098	03/12/1996	Ogawa		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
		61 133430	06/20/1986	JP		Abstract	
		03 216719	09/24/1991	JP		Abstract	
		07 036603	02/07/1995	JP		Abstract	
		2000-172438	06/23/2000	JP		Abstract	
		11045144	02/16/1999	JP		Abstract	
		2000-259334	02/25/2000	JP		Abstract	
		09243882	09/19/1997	JP		Abstract	
		2000-293311	10/20/2000	JP		Abstract	
		63 143862	06/16/1988	JP		Abstract	
		58-010232	01/20/1983	JP		Abstract	
		59-202533	11/16/1984	JP		Abstract	

Examiner:

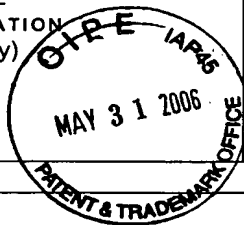
Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet 3 of 4



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Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
		5,502,568	03/26/1996	Ogawa et al.		
		5,679,930	10/21/1997	Katsurahira		
		5,688,933	11/18/1997	Evans et al.		
		5,945,981	08/31/1999	Paull et al.		
		6,061,177	05/09/2000	Fujimoto		
		6,122,394	09/19/2000	Neukermans et al.		
		6,141,104	10/31/2000	Schulz et al.		
		6,172,667	01/09/2001	Sayag		
		6,333,735	12/25/2001	Anvekar		
		6,366,276	04/02/2002	Kunimatsu et al.		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
		11-232025	08/27/1999	JP		Abstract	
		08-075659	03/22/1996	JP		Abstract	
		08-149515	06/07/1996	JP		Abstract	
		1,380,144	01/08/1975	GB			
		3 511 330	10/02/1986	DE		Abstract	
		198 09 934	09/09/1999	DE		Abstract	
		689 02 419	03/18/1993	DE		Abstract	
		690 00 920	06/03/1993	DE		Abstract	
		100 26 201	12/14/2000	DE		Abstract	
		2 172 828	10/05/1973	FR			
		2 617 619	01/06/1989	FR		Abstract	

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		6,504,143	01/07/2003	Koops et al.		
		6,529,327	03/04/2003	Graindorge		
		6,538,644	03/25/2003	Muraoka		
		6,664,498	12/16/2003	Forsman et al.		
		6,707,027	03/16/2004	Liess et al.		
		6,738,051	05/18/2004	Boyd et al.		
		2003/0048257	03/13/2003	Mattila		
		2003/0052257	03/20/2003	Sumriddetchkajorn		
		2003/0137494	07/24/2003	Tulbert		
		2004/0252091	12/16/2004	Ma et al.		

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
		2 617 620	01/06/1989	FR		Abstract	
		2 614 711	11/04/1988	FR		Abstract	
		2 676 275	11/13/1992	FR		Abstract	

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